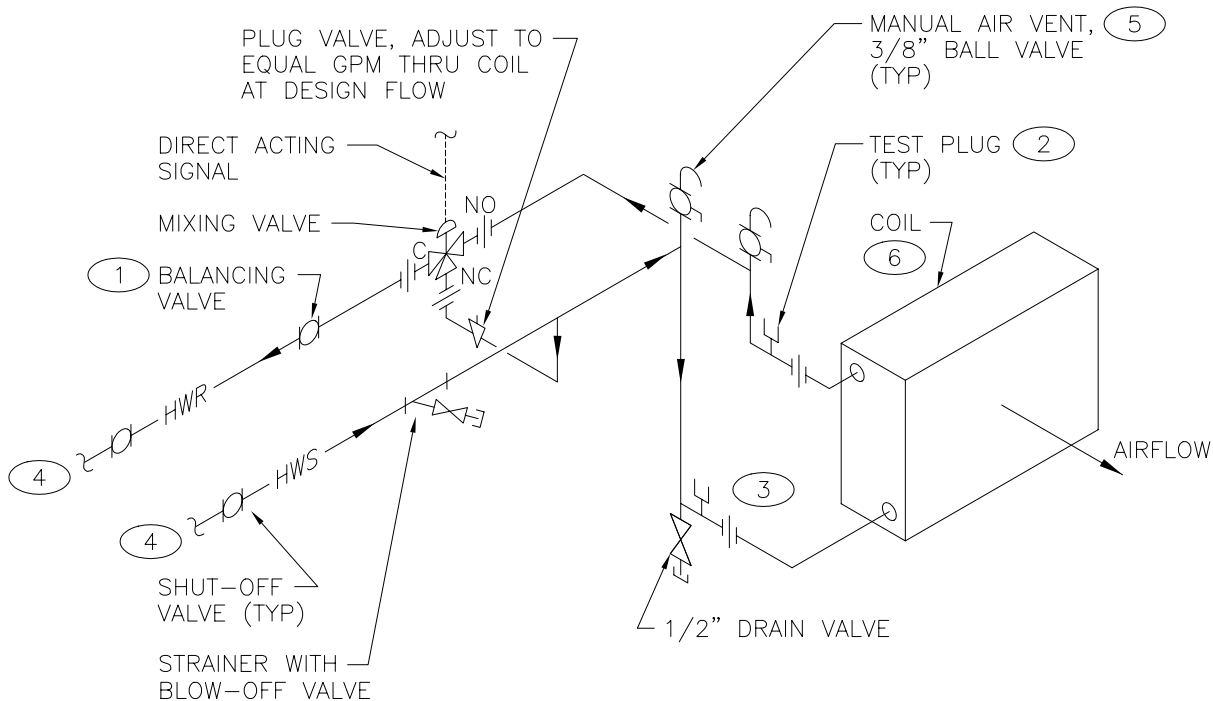


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KEYED NOTES:

1. INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
2. MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DO NOT COVER PLUG WITH INSULATION.
3. INSTALL SWING JOINTS AT COIL CONNECTIONS.
4. CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY AND RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
5. INSTALL MANUAL AIR VENTS IN SUPPLY AND RETURN COIL BRANCH PIPING AS FOLLOWS:
A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
B) CLOSE TO COIL WHEN PIPING IS NOT ABOVE MAIN (SIDE CONNECTION).
6. INSTALL COIL SO AIR PASSES THROUGH FINS IN PROPER DIRECTION NOTED ON COIL.

HOT WATER COIL PIPING DETAIL

(VARIABLE FLOW THROUGH COIL, FAIL TO FULL HEAT)

SCALE: NONE

NOTES FOR DESIGNER: (DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 10 FOR STACKED COIL PIPING.
2. SEE SHEET 11 FOR DESIGN NOTES.

DRAWING DEVELOPED FOR ML-3/
ML-4 PROJECTS. FOR ML-1/
ML-2, ADDITIONAL REQUIREMENTS
AND QA REVIEWS ARE REQUIRED.
(REMOVE THIS NOTE WHEN IN-
SERTED INTO A DRAWING PACK-
AGE).

NO	DATE	CLASS REV	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP	TO
1	8-14-03	U	REVISED TO COMPLY WITH DRAFTING MANUAL. ADDED STRAINER & KEYED NOTE 6. DWG. NO. WAS ST6121.	RP	AB	JM	GG	TO	
FACILITY & WASTE OPERATIONS DESIGN ENGINEERING CONSTRUCTION SERVICES									
ENGINEERING STANDARDS MANUAL									
HOT WATER COIL PIPING DETAIL VARIABLE FLOW, FAIL TO FULL HEAT									
BLDG X TA-X									
SUBMITTED APPROVED FOR RELEASE									
DISCIPLINE POC: GURINDER GREWAL STANDARDS MANAGER: TOBIN ORUCH									
Los Alamos NATIONAL LABORATORY									
P.O. Box 1663 Los Alamos, New Mexico 87545									
CLASSIFICATION U REVIEWER LARRY BAYS DATE									
PROJECT ID DRAWING NO									
CHAPTER 6 ST-D30GEN-2									
REV 1									